

Claims:

1. An aluminum alloy for heat exchanger tubing comprising 0.4 to 1.1% by weight manganese, up to 0.01% by weight copper, up to 0.05% by weight zinc, up to
5 0.2% by weight iron, up to 0.2% by weight silicon, up to 0.01% by weight nickel, up to 0.05% by weight titanium and the balance aluminum and incidental impurities, wherein said alloy has been homogenized at a temperature of between 580 and 620°C and extruded
10 into tubing and brazed.
2. Brazed extruded heat exchanger tubing formed from an aluminum alloy comprising 0.4 to 1.1% by weight manganese, up to 0.01% by weight copper, up to 0.05% by weight zinc, up to 0.2% by weight iron, up to 0.2% by
15 weight silicon, up to 0.01% by weight nickel, up to 0.05% by weight titanium and the balance aluminum and incidental impurities.
3. A brazed heat exchanger assembly comprising joined heat exchanger tubes and heat exchange fins wherein the
20 tubes are extruded tubes formed of a first aluminum alloy comprising 0.4 to 1.1% percent by weight manganese, up to 0.01% by weight copper, up to 0.05% by weight zinc, up to 0.2% by weight iron, up to 0.2% by weight silicon, up to 0.01% by weight nickel and the
25 balance aluminum and incidental impurities and the fins are formed of a second aluminum alloy selected from the group consisting of an alloy comprising 0.9 to 1.5% by weight manganese and an alloy of the AA3003 type, said second aluminum alloy further containing at least 0.5%

by weight zinc, whereby the brazed tubes exhibit good self corrosion protection and the fins are galvanically sacrificial relative to the tubes.

4. A brazed heat exchanger assembly according to
5 claim 3 wherein the difference between the manganese content of the first aluminum alloy is related to the manganese content of the second aluminum alloy by the formula

$$Mn_{tube} (wt\%) > Mn_{fin} (wt\%) - 0.8 wt\%$$

- 10 where Mn_{tube} is the manganese content of the first aluminum alloy and Mn_{fin} is the manganese content of the second aluminum alloy.

5. A brazed heat exchanger assembly according to
claim 3 or 4 wherein the second aluminum alloy contains
15 less than 0.05% by weight copper.

6. A brazed heat exchanger assembly according to claim 3, 4 or 5 where the galvanic current from fin to tube is greater than +0.05 microamps per square centimeter.

- 20 7. A brazed heat exchanger assembly according to any one of claims 3 to 6 where the first aluminum alloy contains between 0.6 and 1.19% by weight manganese.

8. A brazed heat exchanger assembly according to claim 7 where the first aluminum alloy contains between
25 0.9 and 1.1% by weight manganese.